

Date: Thu, 7 Jan 93 08:36:18 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #32
To: Info-Hams

Info-Hams Digest Thu, 7 Jan 93 Volume 93 : Issue 32

Today's Topics:

 1200Mhz is not a microwave band!
 144Mhz band reject and band pass filter (2 msgs)
 Alinco DJ180T Opinions
 CFD: proposal for rec.radio.amateur.standup.philosophy
 County Hunter reports
 Cq Rtty experts...
 License delays
 Online Repeater Directory! Watch For It!
 Re: 430MHz band under threat!
 Sattellite Orbital Elements
 Subscribing to info-hams
 Thanks
 W5YI - Economical with the truth? (2 msgs)
 WANTED: Repeater controller comments
 WWV Phone number?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 07 Jan 93 01:47:07 CST
From: usc!wupost!spool.mu.edu!umn.edu!uum1!kksys.com!edgar!brainiac!moron!pillock!
stevej@network.UCSD.EDU
Subject: 1200Mhz is not a microwave band!
To: info-hams@ucsd.edu

rrgd50@email.sps.mot.com (Chris Terwilliger) writes:

> by the way...has anyone ever used tried to modulate old oven parts???

> Seems like a good project for someone with an oven they don't use any

> more...

>

This has actually already been done. I can't find the article at the moment but I believe it was documented about two years ago in 73mag, QST, and the ATV mag.

This is quite funny because several years ago I joked with a friend about modulating the magnetron in a microwave. About a year or two later I read a very tongue and cheek article in the British ATV mag. about the same thing. Two years later someone had stabilized a magnetron enough to use it to create a 2.4ghz AM TV transmitter with about 250 watts RF output. I personally think this is a good way to get birds off the antenna. Instant lunch too ;-)

Steve KA0VYB

Date: Thu, 7 Jan 1993 14:01:42 GMT
From: swrinde!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!cbnewsm!
nk30@network.UCSD.EDU
Subject: 144Mhz band reject and band pass filter
To: info-hams@ucsd.edu

I am trying to remove or attenuate a 144Mhz signal from entering my tv. I am looking for a band reject filter for the tv sets and a band pass filter for the transmitter. I have searched the handbook and there is a bandpass filter for the transmitter, are there other sources? The filters impedance must be 75 ohms in and out and 300 ohms in and out. Any ideas?

Thank you
Jeff Zell
NK30

Date: Thu, 7 Jan 1993 15:02:43 GMT
From: swrinde!zaphod.mps.ohio-state.edu!magnus.acs.ohio-state.edu!cis.ohio-state.edu!pacific.mps.ohio-state.edu!linac!att!cbnewsk!cbnewsj!att-out!cbfsb!
cbnewsb.cb.att.com!wa2ise@network.UCSD.EDU
Subject: 144Mhz band reject and band pass filter
To: info-hams@ucsd.edu

In article <1993Jan7.140142.5491@cbnewsm.cb.att.com> nk30@cbnewsm.cb.att.com (JEFF ZELL NK30) writes:

> I am trying to remove or attenuate a 144Mhz signal from entering my tv.
> I am looking for a band reject filter for the tv sets and a band pass filter

>for the transmitter. I have searched the handbook and there is a bandpass
>filter for the transmitter, is there other sources? The filter's impedance must
>be 75 ohms in and out and 300 ohms in and out. Any ideas?

You might want to try a transmission line trap. It's a 1/4 wave stub, open
end at far end looks like a short at the freq you want to trap.

length in inches = (2953 K)/freq in MHz, where K= 0.66 for coax, 0.83 for
twin lead. Make it a little longer, and nibble away in small pieces till
you attenuate the annoying frequency.

I've made these, and it's easy, and works pretty well. you can get 20 30dB
or so attenuation.

source: Television Engineering Handbook, Benson, isbn 0-07-004779-0, pg 13.68

Date: Wed, 06 Jan 1993 08:59:43 GMT
From: nwnexus!jhgrud!eskimo!ssc!tad@uunet.uu.net
Subject: Alinco DJ180T Opinions
To: info-hams@ucsd.edu

My pal Howie, KE7QJ (who can't seem to figure out how to access
this newsgroup) is interested in opinions on the Alinco
DJ180T HT.

If you have used one, or know anything about this, could you
send Howie a note? He is at hlester@as.arizona.edu

--

Tad Cook		Phone: 206-527-4089 (home)		MCI Mail: 3288544
Seattle, WA		Packet: KT7H @ N7DUO.WA.USA.NA		3288544@mcimail.com
		Internet: tad@ssc.com		or...sumax!ole!ssc!tad

Date: 7 Jan 93 12:43:14 +0200
From: mcsun!sunic!ebc.ee!tuc!juhan@uunet.uu.net
Subject: CFD: proposal for rec.radio.amateur.standup.philosophy
To: info-hams@ucsd.edu

In <1993Jan6.003757.22004@elroy.jpl.nasa.gov> Gregory R. LaBorde
(laborde@oak.Jpl.Nasa.Gov) asks:

:> But what would be left for r.r.a.misc?

rec.radio.info :-)

--

Juhan Poeldvere, ES5QX | juhan@chem.ut.ee
Tartu University, Dept. of Chemistry | fax: 7+01434+35440
2 Jakobi St., EE-2400, Tartu, Estonia | voice: 7+01434+35429

Date: 6 Jan 1993 21:35:53 GMT
From: usc!sol.ctr.columbia.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!
master.cs.rose-hulman.edu!news@network.UCSD.EDU
Subject: County Hunter reports
To: info-hams@ucsd.edu

Could someone post the reports that county hunters use? I've heard
"threes" and such and would like to know what reports they use and what
they mean.

tnx es 73 de Jack, K9CUN (County: VIGO, State: IN)

Date: Wed, 06 Jan 1993 22:34:19 -0600
From: swrinde!gatech!paladin.american.edu!darwin.sura.net!spool.mu.edu!umn.edu!
uum1!kksys.com!tdkt!FredGate@network.UCSD.EDU
Subject: Cq Rtty experts...
To: info-hams@ucsd.edu

Joe writes,

JC> I built a RTTY demod and wrote a simple prog to read the
JC>serial port so I could copy RTTY on my PC. Unfortunately, most
JC>RTTY is baudot (5 bit) and not the 8 bit ACII which I can copy.
JC> If anyone has a source code (C or BASIC) or algorithm or
JC>even a few ideas on how to copy baudot with a PC using a simple demod,
JC>I'd be very grateful if I could procure same.

Joe, find a copy of the program HAMCOM, that will do it.

73 de Claton Cadmus, KA0GKC

Packet: KA0GKC @ WB0GDB.MN.USA.NA
Fido Netmail: Claton Cadmus 1:282./100
Internet Email: Claton.Cadmus@f100.n282.z1.tdkt.kksys.com

* SLMR 2.1a * It's cold in Minnesota!

Date: 7 Jan 93 15:42:29 GMT
From: news-mail-gateway@ucsd.edu
Subject: License delays
To: info-hams@ucsd.edu

> More likely be W5YI *and* the ARRL.....I took my upgrade with the
>ARRL and to date, it has been almost 12 weeks now.....for an UPGRADE!!!
>ARRRRRGHHHHH!!! ;-) I've called the FCC and if you think Mr. W5YI himself is
>rude, you might get a real kick talking to these idiots.....

the ARRL/VEC folks can defend themselves on whether or not they sell names and
addresses of newly minted hams. I believe the answer will be NO from the VEC.

Probably the style of answer you get is a function of how you pose the
question. and i can imagine people getting pretty short when you have a day
full of obnoxious, selfish questioners calling in.....

> Then again, there's this one guy here that tested a week *after* I
>did (with the W5YI VE Team...) and got his call (Tech) about two weeks
>ago.....the lam-o excuse I got from the FCC was that they only had 2 people

i dunno if telling the truth makes it an "excuse". Could be there was
something with *your* session that caused a delay.

>processing applications for both amateur *and* business licenses and only *1*
>keyer to punch it all into the computer. From what I understand, they fire
>and hire on a Very regular basis (could it be an efficiency thing?) and that
>if we want anything done about it to, "Write to the congressmen and tell them
>we [the FCC] are understaffed!"

it would take more than just adding people if they don't have the additional
tools to let those people get the work done (additional computer terminal,
would be one).

> I still don't get it...One guy tests a week *after* I do...for a
>brand new license...I test a week before for an Upgrade...and *he* gets his
>first.....

the other guy lives a charmed life. or the FCC is holding yours up for a
Really Good Call Sign (not!).

> Don't get me wrong, I really am happy for the guy bein' a new ham and
>all, but 12 weeks is just a tad excessive.....It should not be taking this
>long.....

if anything we want the delays to be longer. this indicates a sustained

growth in the amateur service and would demand the commission add additional staffing to process the larger numbers of applications.

Probably we need to work on moving the prime time for amateur radio classes from the Fall to the Spring. Miss the christmas vacation holes that way.

73, bill wb9ivr

Date: 7 Jan 1993 15:30:32 GMT
From: swrinde!emory!gatech!destroyer!fmsrl7!ef2007!ef5003!www@network.UCSD.EDU
Subject: Online Repeater Directory! Watch For It!
To: info-hams@ucsd.edu

In article <1992Dec30.161041.5123@ms.uky.edu> johnr@mik.uky.edu (John S. Roberts, Jr.) writes:

>
>Yeah right! 99% of the ham radio operators I know expect programmers to
>distribute their software as public domain. Ham's (including myself) are too
>cheap to have this type of setup. Just watch for a nice windows (and NT)
>version of the software to allow people to find repeaters relative to their
>location.
>
>John
>--
>==+ John S. Roberts, Jr. FACTS Center McVey Hall Room 100 +==
>==+ Communications Consultant Work: (606)257-2275 Home: 272-1417 +==
>==+ University of Kentucky Ham: KD4UBM DoD: 727 '85 Shadow +==
>==+ Computing Center HomeUUCP: johnr%agnostic@ms.uky.edu +==

Since this thread is about distributing what is essentially a database, why bother distributing a program at all! Just distribute the DATA in a standard format (CSV, xBase or whatever) and let everyone use whatever their favorite database-file-browser is to use it. There are certainly plenty of browsers/db-access programs out there already -- why write another one?

Yes, there could be some standard "forms" made available for some of the more popular programs, but nothing would stop anyone from making their own custom approach.

If it is really necessary to write a program to do some neat-o thing (like the suggested reading of a Loran receiver), make that SEPARATE from the data distribution. That way those of us (a tiny minority, I know) who DON'T have/use/like PC's are not shut out from the most important part -- the data.

73 de WA8TZG

--

Bill Meahan |EFHD Information Systems Staff
Plant Floor Systems Specialist |Ford Motor Company
www@ef5003.efhd.ford.com | +1 313 487 6122
...!fmsrl7!pmsmam!www |I'm not paid to speak for Ford!

Date: Thu, 7 Jan 1993 12:50:44 GMT
From: usc!cs.utexas.edu!zaphod.mps.ohio-state.edu!menudo.uh.edu!sugar!
jreese@network.UCSD.EDU
Subject: Re: 430MHz band under threat!
To: info-hams@ucsd.edu

In article <14570574@hpnmdla.sr.hp.com> alanb@hpnmdla.sr.hp.com (Alan Bloom)
writes:

>In rec.radio.amateur.misc, jreese@NeoSoft.com (Jim Reese) writes:

>

>>'scuse me...but have you ever had to PAY for the equipment involved in putting

>>up a repeater? I didn't think so... If you had, you wouldn't think \$15

>>per month was such a rip-off.

>

>Let's see, \$15/month is \$180/year per user. Even if you only had 10 users,

>you be getting \$1800/year. At that rate, you could buy a decent repeater

>out of one year's receipts. Unless you are paying really exorbitant site

>rental fees, there's no way it should cost \$15/month per user.

The group I belong to is part of a large inter-city linked radio system.
The Houston group supports six sites. That's six repeaters and thirteen
full-duplex link radios. This includes all antennas, radios, duplexors,
power, insurance, etc. Our budget easily exceeds \$1500 per year.

Our group dues are \$120 per year. As of last year, there was a \$90 surplus
in the bank account. I'm not getting rich on this, folks...just paying the
bills.

Radio systems like this one take maintenance. In the corrosive chemical air
here in Houston, antennas must be replaced every three to five years,
depending on location. I only use commercial antennas on my systems, so
it's not unusual to spend \$500 plus on a repeater antenna. Liability
insurance is 300-400 bucks a year, power bills run 100-150 per site,
plus we want to have capital available for expansion of the system.

Not all radios are simple kerchunk boxes. Some are much more elaborate, and are much more expensive to maintain.

--

Jim Reese, WD5IYT | "Real Texans never refer to trouble
jreese@sugar.neosoft.com | as deep doo-doo" --Molly Ivins

Date: 7 Jan 93 15:29:38 GMT
From: newsserver.jvnc.net!yale.edu!spool.mu.edu!caen!zaphod.mps.ohio-state.edu!
moe.ksu.ksu.edu!usenet-feed.cc.umd.edu!gbuffering@RUTGERS.EDU
Subject: Sattellite Orbital Elements
To: info-hams@ucsd.edu

Can anyone tell me if there is a 'place' on internet or accessible from internet where I can get Orbital elements for Amateur Sattellites?? I am particularly interested in OSCAR 21. Thanks in advance es 73.

Gavin D. Buffington N0ECQ
e-mail: gbuffering@physics.umd.edu
rf: 145.45- / 443.85+ / 1284.6-
Rolla MO, 65401

Date: 7 Jan 93 16:07:52 GMT
From: news-mail-gateway@ucsd.edu
Subject: Subscribing to info-hams
To: info-hams@ucsd.edu

S[D[D[DOnce again, those subscribing and unsubscribing, send ur request to LISTSERV@UCSD.EDU not info hams.

Seth T. KC2WE

Date: Thu, 7 Jan 1993 06:47:36 GMT
From: noc.near.net!lynx!random.ccs.northeastern.edu!acm139@uunet.uu.net
Subject: Thanks
To: info-hams@ucsd.edu

I don't want to waste much bandwidth here, but I just wanted to thank all those who have responded to my questions posted to this group.

I have already given a brief summary from the replies received from my HT question, and I'd now like to give a brief summary regarding the replies I received from my Iso-loop HF antenna question (which you might now have guessed I will not be pursuing since I ended up purchasing the HT instead). :)

In short, most people liked the Iso-loop (some said it performed better than their dipoles), while others said it was too pricey for them, and recommended looking into MFJ's version of the Iso-loop. I've seen MFJ's ad, but have not seen any reports about the antenna on the net, nor have I pursued calling MFJ about the antenna.

Again, thanks much for your help.

(No, I'm not losing my account or anything like that. I just thought I'd be nice in this posting and say thanks).

```
=====
| Scott Ehrlich           Internet: wy1z@splinter.coe.northeastern.edu   |
| Amateur Radio: wy1z      Packet Radio: wy1z@k1lugm.ma.usa.na         |
|                                                                    |
=====
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Date: 7 Jan 93 12:27:20 GMT
From: news-mail-gateway@ucsd.edu
Subject: W5YI - Economical with the truth?
To: info-hams@ucsd.edu

Folks,

I just got a package from W5YI through the mail; you know the sort of thing subscription offers for The W5YI Report, Ham education books, etc. Also included was a rather cute square piece of paper, headed 'CONGRATULATIONS!' A real attention grabber.

At the risk of boring some folks, reproduced here is the portion of the text of this document with which I take issue:-

"Congratulations! on the recent upgrading of your amateur radio operator license! We note, however, that you upgraded without having your most recent FCC amateur radio operator license in your possession. While this is perfectly legal, the FCC does not allow VEC's to forward amateur radio upgrade (Form 610) applications to them for new license issuance without a photocopy of the applicant's most previous license attached. In view of this, we are HOLDING your FCC FORM 610 application here at the VEC Office until we receive a copy FROM YOU of your most previous amateur radio operator license.

We want you to receive your upgraded license AS QUICKLY AS POSSIBLE. You CANNOT receive your new amateur operator license without the previous license photocopy being attached to your pending application being held here at the VEC Office"

Now, what, precisely is my problem?

I started on the trail of a U.S. amateur license 18-Nov-92. At the session that day, for one reason or another, I had time only to get through enough elements to take me up to General class. A (very) few days later; 21-Nov-92, in fact, I attended a further session, completing the remaining elements to take me to Extra class. Of course, at the second session, I needed to fill out another '610. I did so, taking great care to complete the section which requested information on any pending application which was as yet unactioned by the FCC. My assumption was that they (the FCC) would be able to use that data to quickly tie up my two '610s. Seems I was mistaken.

OK - who can cite the FCC regulations cited by W5YI?

73 - Iain
GORDI

g0rdi.bridgehouse@rxuk.xerox.com

Date: 7 Jan 93 15:35:42 GMT
From: swrinde!zaphod.mps.ohio-state.edu!rphroy!link.ph.gmr.com!
vbreault@network.UCSD.EDU
Subject: W5YI - Economical with the truth?
To: info-hams@ucsd.edu

In article <"7-Jan-93.12:26:57".*.Iain_Philipps.Bridge_House@RXUK.Xerox.com>
GORDI.Bridge_House@rxuk.xerox.COM writes:

<some deletions>

"Congratulations! on the recent upgrading of your amateur radio operator license! We note, however, that you upgraded without having your most recent FCC amateur radio operator license in your possession. While this is perfectly legal, the FCC does not allow VEC's to forward amateur radio upgrade (Form 610) applications to them for new license issuance without a photocopy of the applicant's most previous license attached. In view of this, we are HOLDING your FCC FORM 610 application here at the VEC Office until we receive a copy FROM YOU of your most previous amateur radio operator license.

<some deletions>

OK - who can cite the FCC regulations cited by W5YI?

97.19 (b)

"Each application for a renewed or modified amateur service license must be accompanied by a photocopy of the license document or the original document. Each application for a modified operator license involving a change in operator class must be submitted to the VEs administering the qualifying examination. All other applications must be submitted to: FCC: P.O. Box 1020, Gettysburg, PA 17326."

73 - Iain
GORDI

g0rdi.bridgehouse@rxuk.xerox.com

--

-val-

Val Breault - GM Research - vbreault@gmr.com - N8OEF
Instrumentation dept., 30500 Mound Rd., Warren, MI 48090-9055
The opinions expressed by the author do not necessarily reflect
those of GMR or those of the General Motors Corporation.

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Date: Thu, 7 Jan 1993 06:38:39 GMT
From: noc.near.net!lynx!random.ccs.northeastern.edu!acm139@uunet.uu.net
Subject: WANTED: Repeater controller comments
To: info-hams@ucsd.edu

I am looking for USER REPORTS on the Computer Automated Technology CAT-1000 Repeater Controller.

I am primarily interested in the areas of Durability, Service problems, etc.

Also, if you have comments/suggestions/recommendations for any other repeater controller, please let me know, too.

The budget is under \$1000.

Thanks much in advance!

=====
| Scott Ehrlich Internet: wy1z@splinter.coe.northeastern.edu |
| Amateur Radio: wy1z Packet Radio: wy1z@k1lugm.ma.usa.na |
| |
=====

Date: 7 Jan 93 16:23:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: WWV Phone number?
To: info-hams@ucsd.edu

The delay on the PSTN (Public switched telephone network) over inter and intralata facilities on T-1 (fiber, microwave or barbed wire) is about 6.2 microseconds per mile, each channel bank (a/d conversion from audio to T-1) is about 1.17 milliseconds and there are 2 per circuit, end to end. Then any analog voice facilities that make up the circuit could add 0.082 milliseconds per mile. Each switch machine (at called and calling end, depending on switch could add 0.55 to 1.0 milliseconds per end. The fact is that the delay is there, and may be difficult to calculate unless one knows the exact make up of the phone call. The difference between listening on HF radio, e.g. 5 Mhz and the phone line is that the phone line delay should be relatively constant per call, whereas listening on HF may vary due to HF propagation.

Seth T. KC2WE

Date: Thu, 7 Jan 1993 15:53:51 GMT
From: usc!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!cbnews!jeffj@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993Jan5.161735.17871@ke4zv.uucp>,
<1icp0aINNmiv@transfer.stratus.com>, <1993Jan7.020947.11062@abo.fi>
Subject : Re: QSL cards from SWLers (was Re: Ham transmissions-a hypot

In article <1993Jan7.020947.11062@abo.fi> MSUORANTA@FINABO.ABO.FI (Mika Suoranta Tkkk) writes:

>In <1icp0aINNmiv@transfer.stratus.com> fms@sw.stratus.com writes:

>

> Most hams don't bother to QSL swl-cards, but remember that
> every swl-listener is a potential new ham. Some reception
> reports have been useful, for example when I was testing my
> very first homemade QRP-rig I couldn't make any QSO's for
> weeks, but one UA1-station had heard me CQing and sent a card.

I would be ecstatic to receive to a SWL-card from anyone that listened to me and would QSL without a second thought! Maybe give them some encouragement to become a ham! I remember listening to pair of hams in high school on a Drake receiver and I think I sent a letter asking for a QSL card from one of them. Never got it though...

73!

Jeff

--

Jeff Jones AB6MB	Hooker	: I'll do anything for \$50!
jeffj@seeker.mystic.com	Henny Youngman:	Will you paint my house?
Infolinc BBS 415-778-5929		

End of Info-Hams Digest V93 #32
